FIG. 1

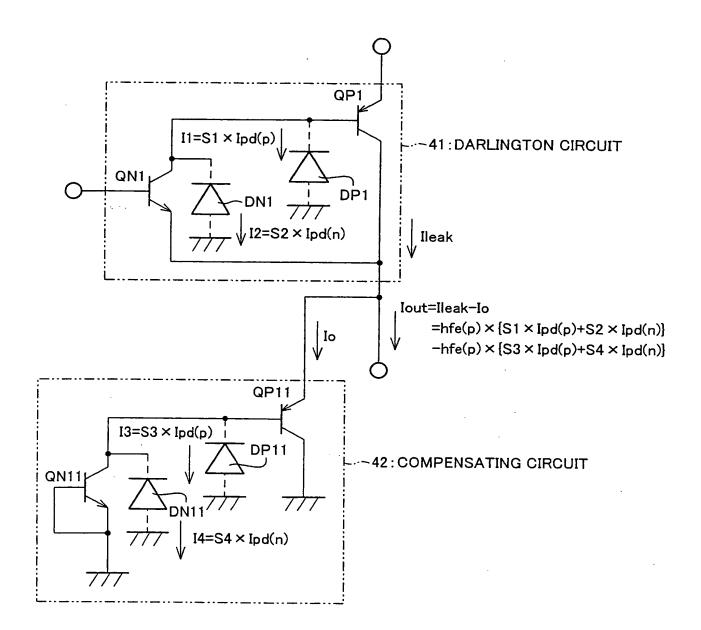


FIG. 2 RELATED ART

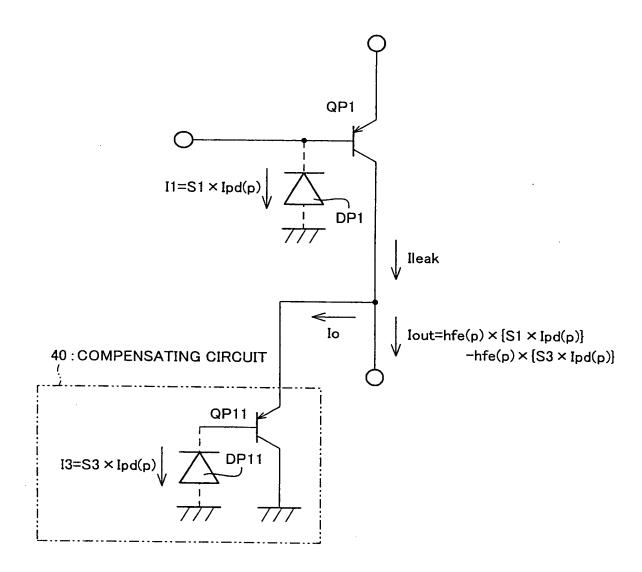
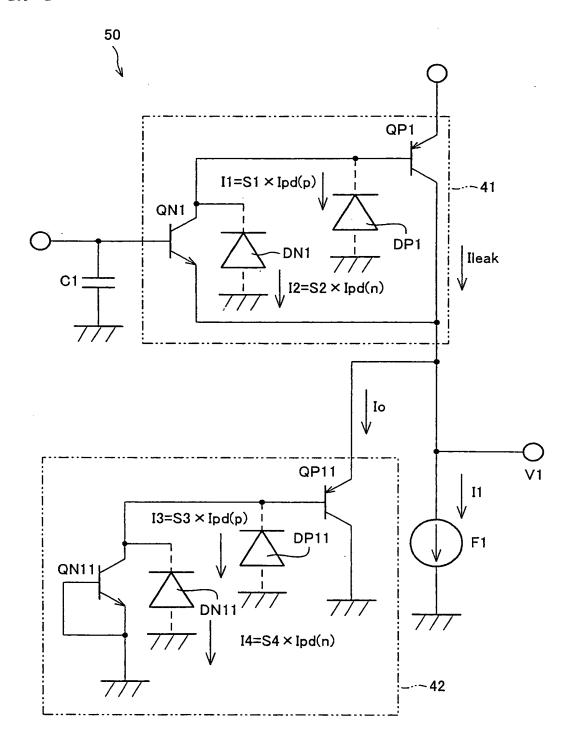


FIG. 3



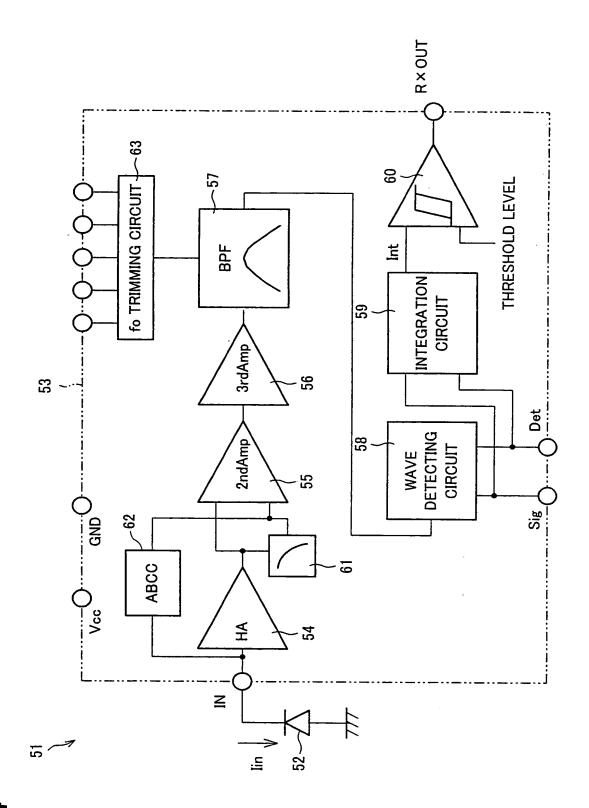
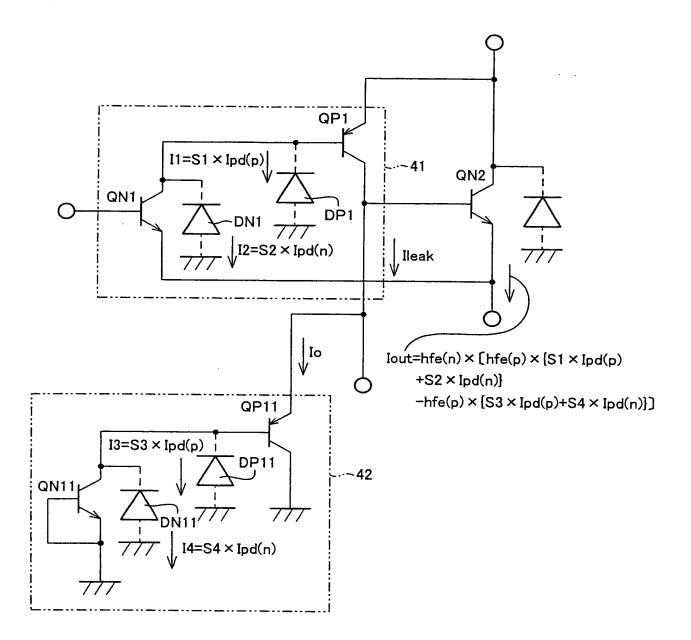


FIG. 5



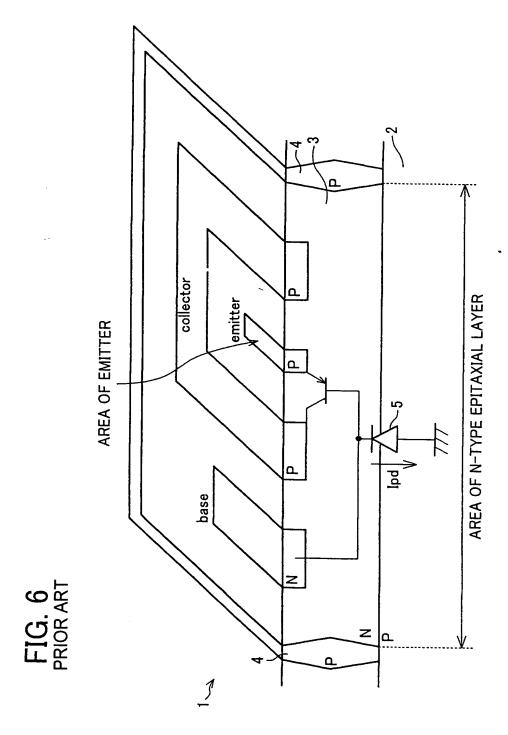
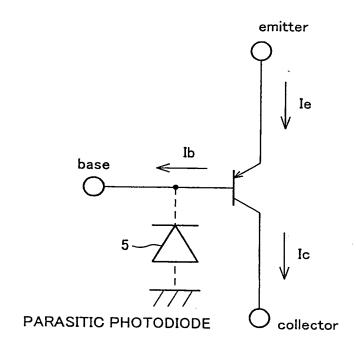


FIG. 7 PRIOR ART



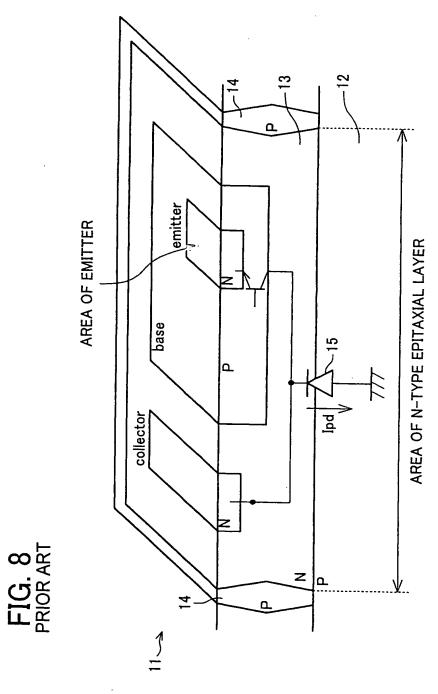
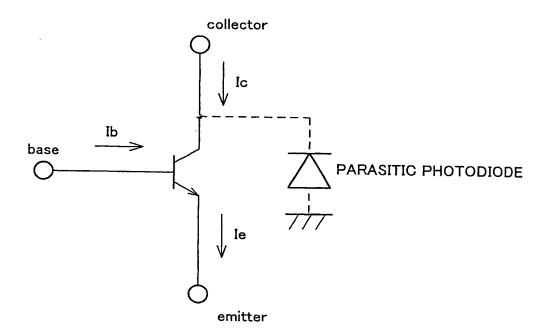


FIG. 9 PRIOR ART



emitter AREA OF EMITTER AREA OF N-TYPE EPITAXIAL LAYER 26 base collector z بم 25 FIG. 10 PRIOR ART Z 21

FIG. 11 PRIOR ART

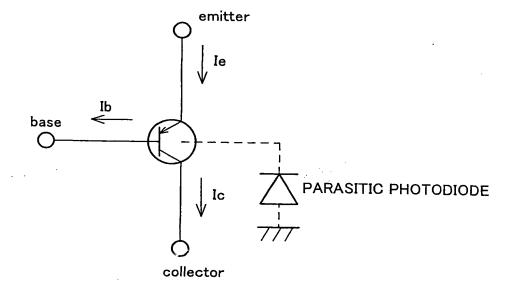


FIG. 12 PRIOR ART

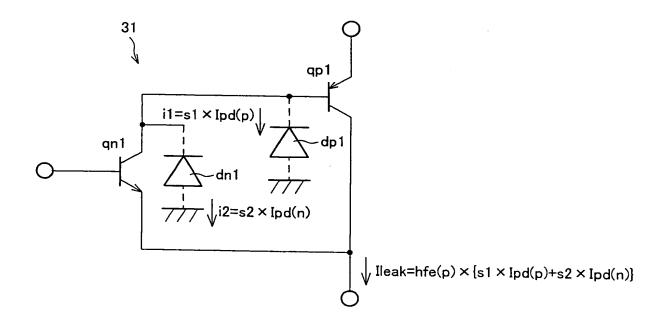
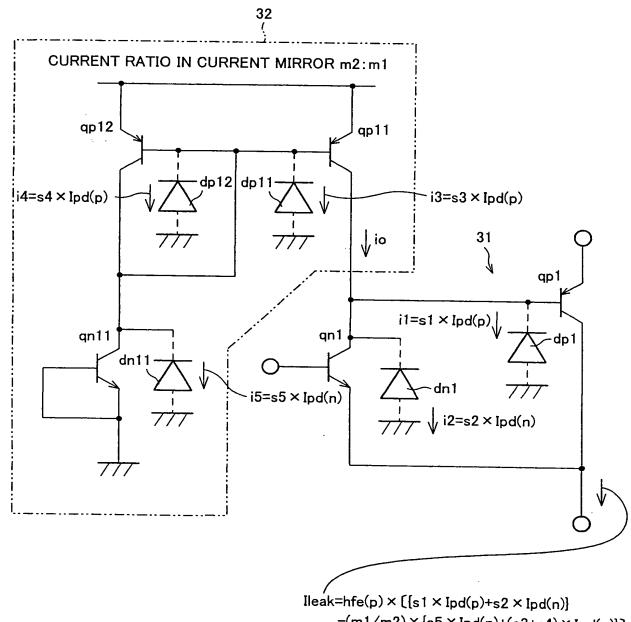


FIG. 13 PRIOR ART



 $\neg (m1/m2) \times [s5 \times Ipd(n) + (s3+s4) \times Ipd(p)]]$